

The paper that was here is a preprint that was never turned into a proper paper. In particular it does not have enough citations to the literature. The paper "The Slice Algorithm For Irreducible Decomposition of Monomial Ideals" contains a much better description of the Label algorithm than this preprint did. If you still wish to read the original preprint then access the arXiv's version 1 of this paper, instead of version 2 which is what you are reading now.